



## FOREWORD

This manual has been prepared to acquaint you with the operation and maintenance of your Isuzu vehicle, and to provide important safety information. We urge you to read it carefully and follow the recommendations to help assure the most enjoyable and trouble-free operation of your vehicle.

When it comes to service, remember that your Isuzu dealer knows your vehicle best and is interested in your complete satisfaction.

We would like to take this opportunity to thank you for choosing an Isuzu product and assure you of our continuing interest in your motoring pleasure and satisfaction.


This manual should be considered a permanent part of the vehicle, and must remain with the vehicle at time of resale.

### **Cautionary statements**

- 1. Statements concerning the possibility of personal injury are titled "WARNING" and appear within a shaded block.**
- 2. Statements concerning the possibility of mechanical damage to the vehicle are titled "CAUTION".**
- 3. Other information which needs to be emphasized but which does not concern the possibility of personal injury or mechanical damage is titled "NOTE".**

**All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.**

Isuzu Motors Limited  
Tokyo, Japan



## ABBREVIATIONS USED IN THIS MANUAL

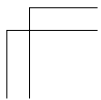
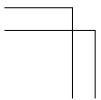
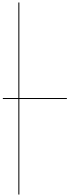
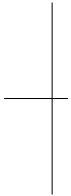
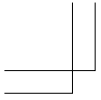
|                |   |                |  |
|----------------|---|----------------|--|
| <b>V</b>       | ..... Variation (Optional on some models).                                | <b>4HK1-TC</b> | ..... 4HK1-TC engine models only.      |
| <b>OPT</b>     | ..... Optional equipment.   | <b>TRB</b>     | ..... Turbo charged engine model only. |
| <b>RHD</b>     | ..... Right-hand drive.   | <b>4WD</b>     | ..... Four wheel drive model only.     |
| <b>LHD</b>     | ..... Left-hand drive.  | <b>FL</b>      | ..... Flat-low model only.             |
| <b>MT</b>      | ..... For manual transmission models only.                                |                |  |
| <b>SA</b>      | ..... For Smoother models only.   |                |  |
| <b>4JB</b>     | ..... 4JB1 engine models only.  |                |  |
| <b>4JG</b>     | ..... 4JG2 engine models only.  |                |  |
| <b>4JH</b>     | ..... 4JH1-TC engine models only.   |                |  |
| <b>4J</b>      | ..... 4JB1, 4JB1-TC, 4JG2 and 4JH1-TC engine models only.                 |                |  |
| <b>4H</b>      | ..... 4HF1, 4HF1-2, 4HE1-TC, 4HG1, 4HG1-T and 4HK1-TC engine models only. |                |  |
| <b>4HE1-TC</b> | ..... 4HE1-TC engine model only.  |                |  |
| <b>4HF1-2</b>  | ..... 4HF1-2 engine model only.   |                |  |
| <b>4HG1-T</b>  | ..... 4HG1-T engine model only.   |                |  |

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# TABLE OF CONTENTS

## **N-SERIES**

|    |                                      |  |
|----|--------------------------------------|--|
| 1. | <i>IMPORTANT INFORMATION</i>         |  |
| 2. | <i>CONTROLS AND INSTRUMENTS</i>      |  |
| 3. | <i>BEFORE DRIVING YOUR VEHICLE</i>   |  |
| 4. | <i>DRIVING</i>                       |  |
| 5. | <i>SAFETY ASSIST DEVICES</i>         |  |
| 6. | <i>HANDLING OF SPECIAL EQUIPMENT</i> |  |
| 7. | <i>SERVICE AND MAINTENANCE</i>       |  |
| 8. | <i>MAIN DATA AND SPECIFICATIONS</i>  |  |

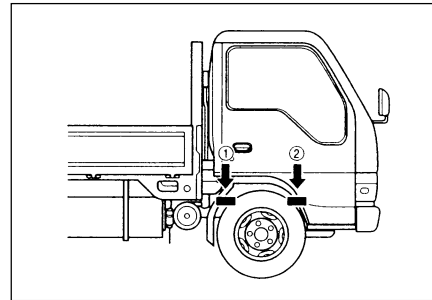


## IMPORTANT INFORMATION

### IMPORTANT INFORMATION

- Location of chassis and engine number.....1-1
- Overloading .....1-3
- Operation of new vehicle .....1-3
- Operation and care of vehicle .....1-4
- Maintenance.....1-4

The following information is important for proper care and economical operation of your Isuzu vehicle and should be thoroughly understood before operating it into service.



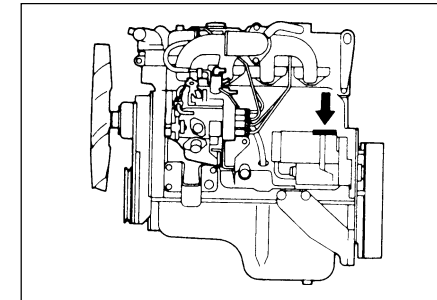
#### LOCATION OF CHASSIS AND ENGINE NUMBER

It is advisable to record the chassis and engine number as they are required when contacting your Isuzu dealer for repair services.

##### Chassis number:

The chassis number is stamped on the front right-hand side face of the chassis side member.

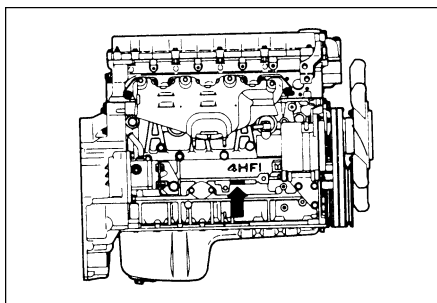
1. NKR with independent front suspension.
2. NKR, NPR, NPS and NQR with rigid axle front suspension.



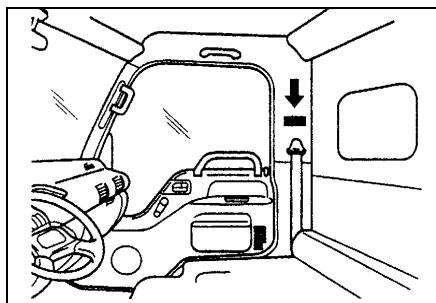
##### Engine number:

The engine number is stamped on the left side of the cylinder body. 4J

## IMPORTANT INFORMATION

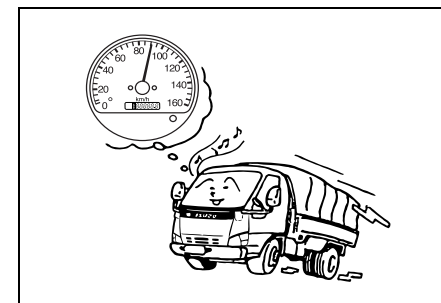


The engine number is stamped on the right side of the cylinder body. 4H



### Vehicle identification plate:

The vehicle identification plate is attached to the interior side of the cab side panel on the right side.



### Speed limitation device:

(For Europe model) V

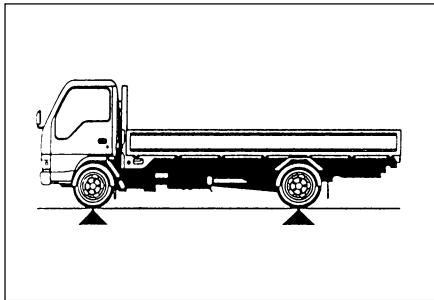
The maximum speed of the vehicle equipped with speed limitation device is limited to 90 km/h by controlling fuel injection.

The speed limitation device sticker is attached to the door of the driver's side.

### CAUTION

- *On a downhill road, the vehicle speed may exceed 90 km/h.*
- *In order to avoid the wrong operation of the speed limitation device, please consult with your Isuzu dealer when the tire size changed.*

## IMPORTANT INFORMATION



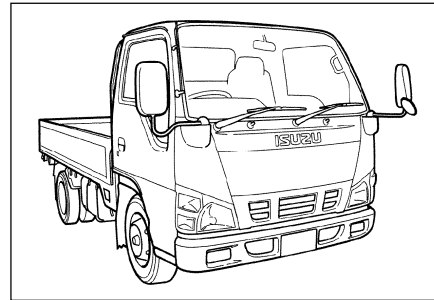
### OVERLOADING

#### **WARNING**

*Overloading not only shortens the service life of your vehicle, but also creates serious potential safety hazards.*

*The weight of the payload must be limited within the GVM rating and distributed over the front and rear axles so as not to exceed the axle capacities.*

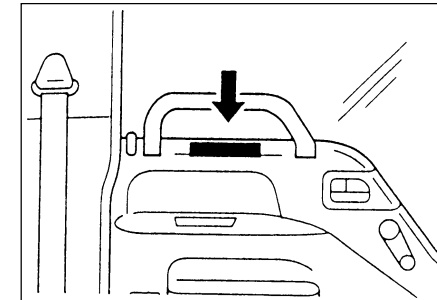
*Refer to "MAIN DATA AND SPECIFICATIONS" for GVM and Axle capacities.*



### OPERATION OF NEW VEHICLE

The subsequent performance and the service life of your vehicle are under the direct influence of the care and treatment that your vehicle will receive during the initial break-in period. It is therefore always recommended that during the initial 1,000 km (600 miles) break-in period, the following few simple precautions are carefully observed.

1. It is recommended that your speed during initial 1,000 km (600 miles) be confined to the following:



#### **Without tachometer:**

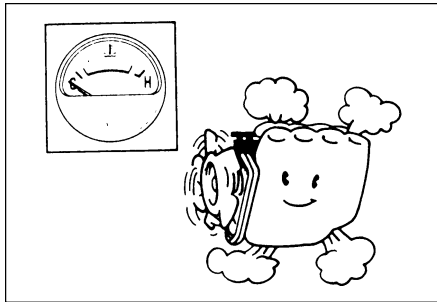
The shift speed label is attached to the inside of the driver's door. Shift each gear at 10 km/h (6 mph) lower than the recommended shift speed.

#### **With tachometer:**

The shift speed label is not attached. It is recommended that engine speed is restricted to the following:

**4HE1-TC, 4HK1-TC : 2,300rpm**  
**4JH1-TC, 4HF1, 4HF1-2, 4HG1 : 2,600rpm**  
**4JB1, 4JB1-TC, 4JG2, 4HG1-T : 2,800rpm**

## IMPORTANT INFORMATION



2. Avoid engine racing, abrupt starting and needless hard stops by popping the clutch.
3. Always let the engine idle until it becomes thoroughly warmed up.

## OPERATION AND CARE OF VEHICLE

Every component and system of your vehicle should be checked with the aid of "CONTROLS AND INSTRUMENTS" and "DRIVING" sections in this manual.



## MAINTENANCE

In order to maintain safe and dependable vehicle operation, inspection and adjustments should be performed as outlined in the "SERVICE AND MAINTENANCE" section. Your Isuzu dealer is trained to perform regular maintenance operation on your vehicle.

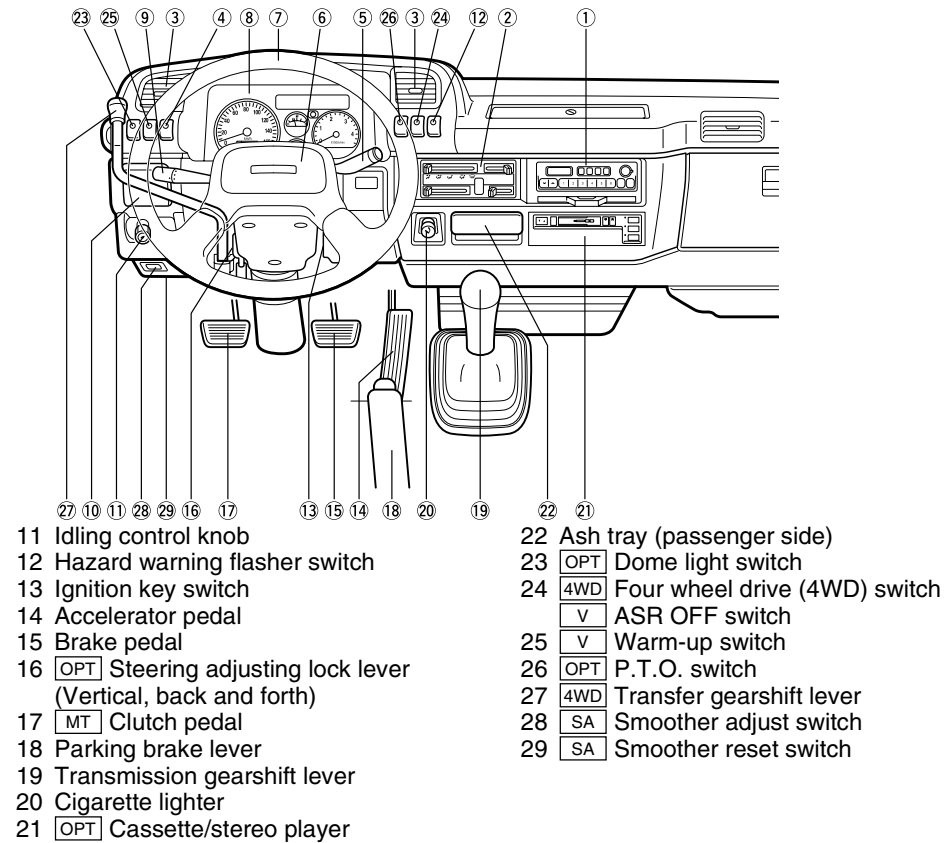


## CONTROLS AND INSTRUMENTS

### CONTROLS AND INSTRUMENTS LHD

- Meters and indicator lights.....2-3
- Steering column controls .....2-20
- Instrument cluster .....2-25
- Floor controls .....2-31
- Others.....2-35
- AM electronic tuning radio with clock .....2-54
- AM/FM electronic tuning radio with clock and alarm .....2-58
- Cassette deck with electronic tuning radio with clock .....2-66

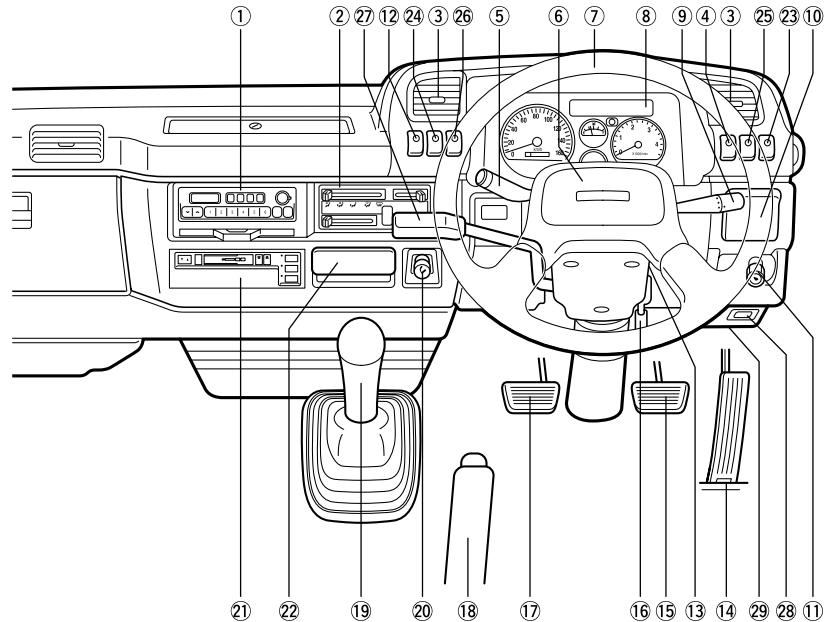
- 1 OPT Radio
- 2 OPT Heater and defroster control panel  
OPT Air conditioner control panel
- 3 Meter panel ventilators
- 4 OPT Front fog light switch
- 5 Windshield wiper and washer switch lever  
OPT Exhaust brake switch lever
- 6 Horn button
- 7 Steering wheel
- 8 Meter and Indicator light panel
- 9 Combination switch lever
- 10 OPT Ash tray (Driver side)



- 11 Idling control knob
- 12 Hazard warning flasher switch
- 13 Ignition key switch
- 14 Accelerator pedal
- 15 Brake pedal
- 16 OPT Steering adjusting lock lever (Vertical, back and forth)
- 17 MT Clutch pedal
- 18 Parking brake lever
- 19 Transmission gearshift lever
- 20 Cigarette lighter
- 21 OPT Cassette/stereo player
- 22 Ash tray (passenger side)
- 23 OPT Dome light switch
- 24 4WD Four wheel drive (4WD) switch  
V ASR OFF switch
- 25 V Warm-up switch
- 26 OPT P.T.O. switch
- 27 4WD Transfer gearshift lever
- 28 SA Smoother adjust switch
- 29 SA Smoother reset switch

## CONTROLS AND INSTRUMENTS

### CONTROLS AND INSTRUMENTS RHD



- 1 OPT Radio
- 2 OPT Heater and defroster control panel
- OPT Air conditioner control panel
- 3 Meter panel ventilators
- 4 OPT Front fog light switch
- 5 Windshield wiper and washer switch lever
- OPT Exhaust brake switch lever
- 6 Horn button
- 7 Steering wheel
- 8 Meter and Indicator light panel
- 9 Combination switch lever
- 10 OPT Ash tray (Driver side)
- 11 Idling control knob
- 12 Hazard warning flasher switch
- 13 Ignition key switch
- 14 Accelerator pedal
- 15 Brake pedal
- 16 OPT Steering adjusting lock lever (Vertical, back and forth)

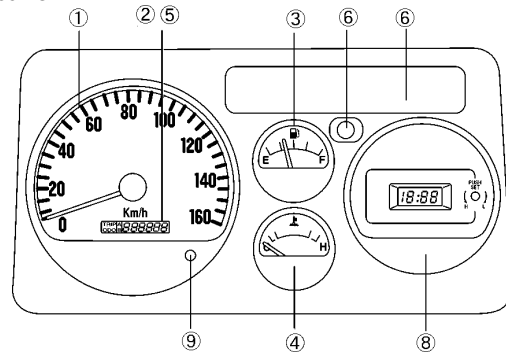
- 17 MT Clutch pedal
- 18 Parking brake lever
- 19 Transmission gearshift lever
- 20 Cigarette lighter
- 21 OPT Cassette/Stereo player
- 22 Ash tray (companion side)
- 23 OPT Dome light switch
- 24 4WD Four wheel drive (4WD) switch
- V ASR OFF switch

- 25 V Warm-up switch
- V HSA OFF switch
- 26 OPT P.T.O. switch
- 27 4WD Transfer gearshift lever
- 28 V HSA adjust switch
- SA Smoother adjust switch
- 29 V HSA reset switch
- SA Smoother reset switch

## CONTROLS AND INSTRUMENTS

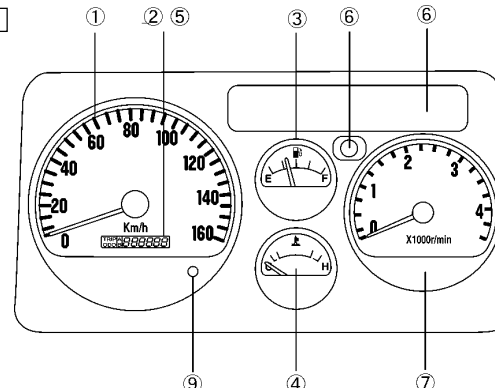
### METERS AND INDICATOR LIGHTS

Meter panel

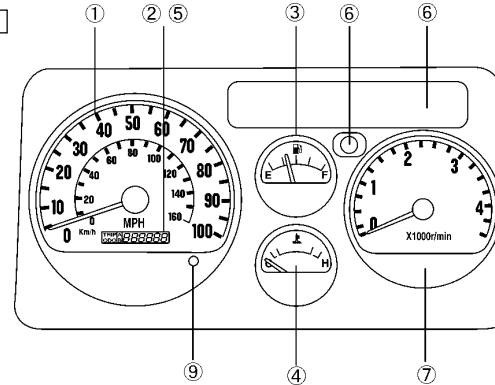


- 1 Speedometer
- 2 Odometer
- 3 Fuel gauge
- 4 Temperature gauge
- 5 Trip meter
- 6 Indicator lights and warning light panel
- 7 Engine tachometer
- 8 Digital clock
- 9 Push button
- 10 Tachograph
- 11 Smoother shift indicator light

V

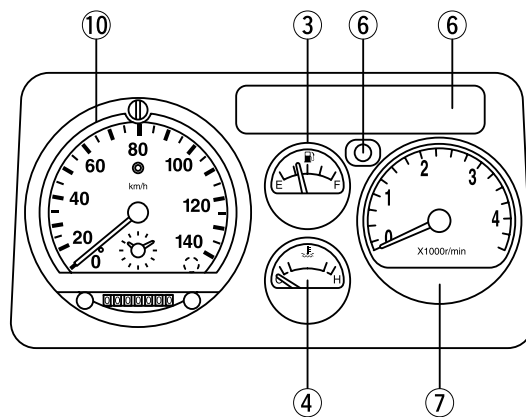


V

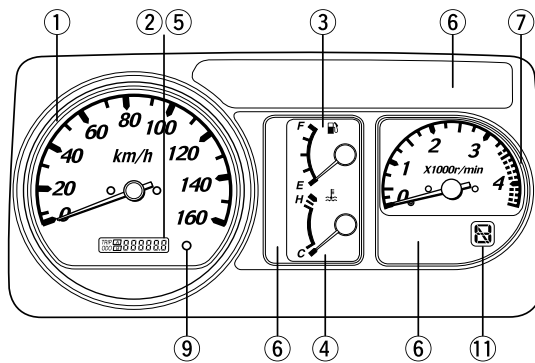


## COTROLS AND INSTRUMENTS

V























4HK1-TC



## CONTROLS AND INSTRUMENTS

### Indicator and warning lights

|   |   |   |   |
|---|---|---|---|
|    | ..... Turn signal indicator light                                       |    | ..... <input type="checkbox"/> Brake booster warning light                            |
|    | ..... High beam indicator light   |    | ..... <input type="checkbox"/> Four wheel drive (4WD) indicator light                 |
|    | ..... <input type="checkbox"/> Rear fog indicator light                 |    | ..... <input type="checkbox"/> Anti-lock brake system (ABS) malfunction warning light |
|    | ..... Fuel indicator light  |    | ..... <input type="checkbox"/> Check engine indicator light                           |
|    | ..... Battery/Generator indicator light                                 |    | ..... <input type="checkbox"/> Check engine indicator light                           |
|    | ..... Parking brake indicator and brake fluid level indicator light     |    | ..... <input type="checkbox"/> Seat belt warning light (for GCC model)                |
|    | ..... Glow plug indicator light   |   | ..... <input type="checkbox"/> P.T.O. indicator light                                 |
|   | ..... <input type="checkbox"/> Check engine malfunction indicator light |  | ..... <input type="checkbox"/> SRS airbag warning light                               |
|  | ..... Oil pressure indicator light                                      |  | ..... <input type="checkbox"/> Smoother warning light                                 |
|  | ..... Exhaust brake indicator light                                     |   |   |
|  | ..... <input type="checkbox"/> Water separator indicator light          |   |   |

## CONTROLS AND INSTRUMENTS

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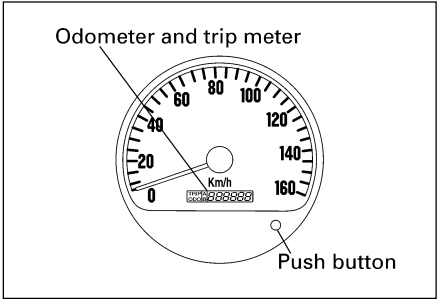
**1ST START** ..... **SA** 1st start mode indicator light

**ECONO** ..... **SA** ECONO mode indicator light

**H.S.A** ..... **V** HSA indicator light

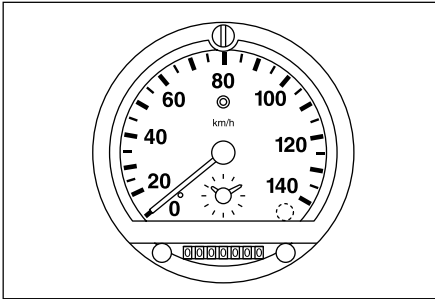
**ASR** ..... **V** ASR indicator light

## CONTROLS AND INSTRUMENTS



### Change indicator and push button

Push the button for approximately one second or less, and the indication will be changed in order of odometer, trip meter A, trip meter B, and odometer. Continue to push the knob for approximately one second or more when the meter (trip A, trip B) is indicated, and the indication will return to 0 (zero).



### Speedometer

The speedometer indicates the vehicle speed in kilometers per hour (kph) or miles per hour (mph).

### Odometer and trip odometer

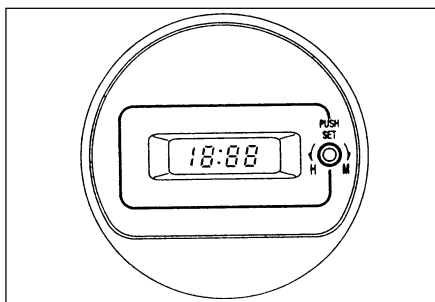
The odometer and the trip odometer indicate kilometers (or miles). The odometer indicates total running mileage, and the trip odometer is used when you want to know point-to-point distance and running mileage reached in a certain period of time. Further, the trip odometer can indicate two kinds of point-to-point distance.

### Tachograph V

The tachograph built in the speedometer is useful for improving vehicle control as the following factors can be automatically recorded.

1. Vehicle speed.
2. Time and duration of vehicle operation and running distance.
3. Time and duration of parking and stopping.
4. Distance between stops.
5. Driver shifting time and working hours.

## CONTROLS AND INSTRUMENTS



### Digital clock

When the key switch is turned to the "ACC" or "ON" position, the time will appear digitally on the clock face.

To set the time, operate the knob for the following functions:

To set hours:

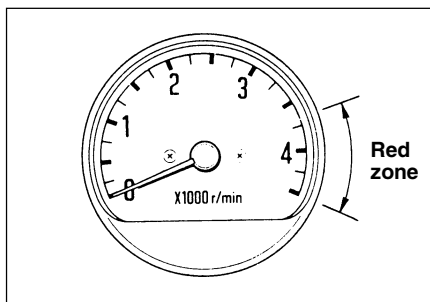
Depress and turn the knob counter-clockwise to advance the hour.

To set minutes:

Depress and turn the knob clockwise to advance the minutes. The hour indication will remain unchanged when the minute changes from "59" to "00".

To reset minutes:

Pull the knob out to reset the minutes to "00".



### Engine tachometer V

The engine tachometer indicates the engine speed in rpm, the red zone represents over-running the engine.

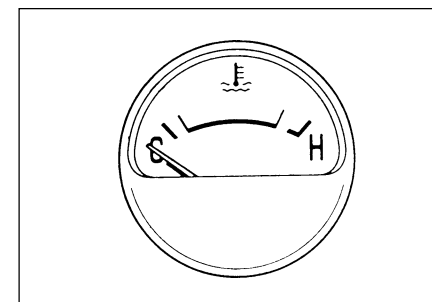


#### NOTE

**The calibration and the red zone of tachometer are various depending on the models fitted.**

#### CAUTION

**Never operate the vehicle with the tachometer needle in the red zone. Continued operation with the tachometer needle in the red zone can lead to serious engine damage.**

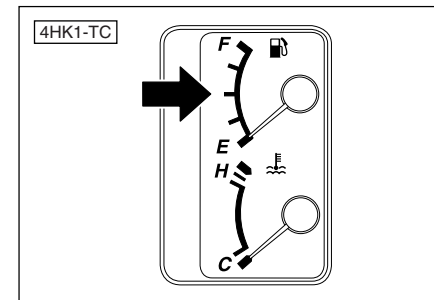
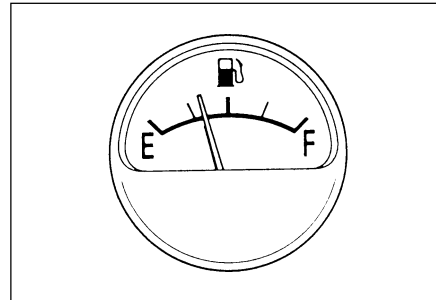
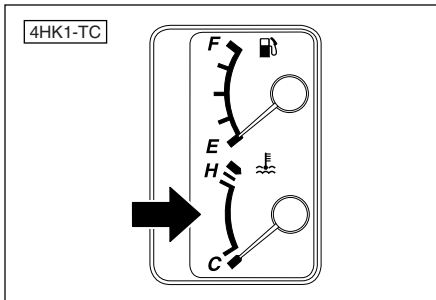


### Temperature gauge

The temperature gauge shows the engine coolant temperature when the ignition key switch is turned "ON". The letters "C" and "H" on the dial represent "cold" and "hot". Normal coolant temperature indication is when the gauge needle is within the yellow line (4HK1-TC white line).



## CONTROLS AND INSTRUMENTS



### CAUTION

- *If the gauge needle is beyond the red line, it indicates an engine overheating condition. Stop the vehicle safely and follow the instructions given under the heading "Engine Overheating" in "DRIVING" section of this manual.*
- *Continued operation of an overheated engine can result in serious engine damage.*

### Fuel gauge

The fuel gauge indicates the level of fuel in the fuel tank. When the key is turned to the "LOCK" position: the needle does not return to the E (empty) mark but remains at the appropriate fuel level. (Except 4HK1-TC) the needle returns to the E (empty) mark and does not remain at the fuel level.

(4HK1-TC)

The letters "F" and "E" represent "Full" and "Empty" respectively.

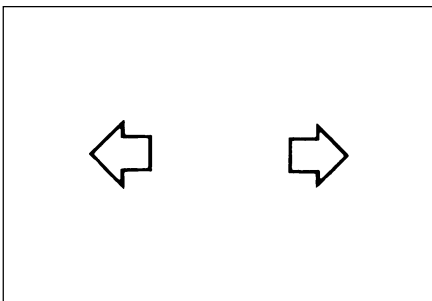


### NOTE

***Make a habit of refueling early and take care not to run short of fuel.***

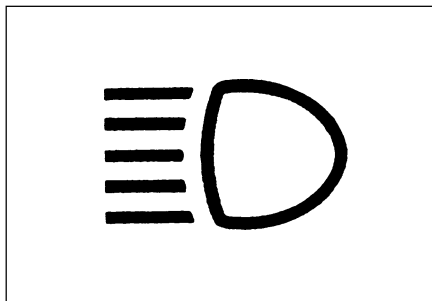
## CONTROLS AND INSTRUMENTS

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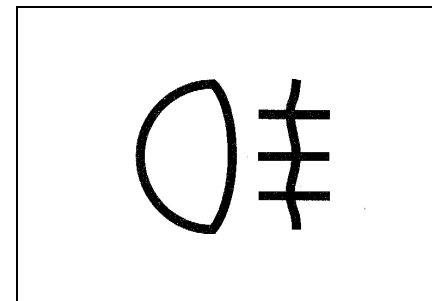
### Turn signal indicator lights

When the turn signal switch or hazard warning flasher switch is turned on, the turn signal indicator light flashes to indicate the operation of the external turn signals or hazard warning flasher.



### High beam indicator light

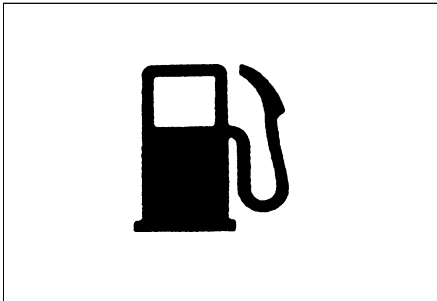
The high beam indicator light comes on when the headlight high beams are in use.



### Rear fog indicator light

The rear fog indicator light comes on when the rear fog lights are in use.

CONTROLS AND INSTRUMENTS



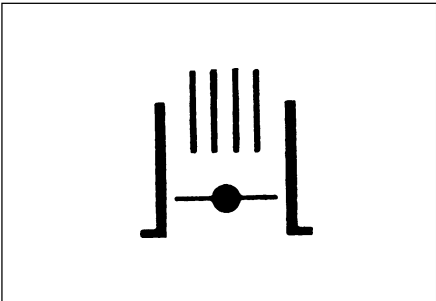
**Fuel indicator light**

The low fuel indicator light comes on when the fuel in the tank is lower than at the specified level. (7 to 10 liters, 1.5 to 2.2 gal (UK)).

Fill up the tank as soon as possible. The indicator light comes on when the ignition key switch is turned to "ON" position and after starting the engine, it goes off normally.

NOTE

*Driving on a road with many sharp curves may cause the fuel indicator light to blink intermittently. This is normal and should be ignored.*



**Exhaust brake indicator light**

When the exhaust brake switch is set to the "ON" position, the indicator light comes on.

NOTE

*During ABS operation, the exhaust brake may be inactive even if the exhaust brake switch is in the "ON" position and the indicator light is lit. When traveling over an uneven road surface, the exhaust brake may be disengaged for short intervals even if the brake pedal is not depressed.*



**Parking brake indicator and Brake fluid level indicator light**

The parking brake indicator light comes on when the parking brake lever is pulled with the ignition key switch "ON".

The brake fluid level indicator light comes on when the brake fluid in the reservoir is lower than the specified level.

The indicator light comes on when the ignition key switch is turned to the "ON" position and after starting the engine, it goes off normally.

## CONTROLS AND INSTRUMENTS

### WARNING

*If the light comes on while driving, stop the vehicle immediately and check the level of the brake fluid in the reservoir.*

*If the level is too low and braking force is lost, have the vehicle towed in for repairs.*

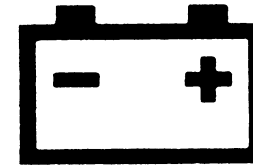


### Oil pressure indicator light

The oil pressure indicator light comes on when the ignition key is turned to the "ON" position and goes off when the engine is started.

### CAUTION

*If the oil pressure indicator light comes on while driving, it indicates that the oil pressure is dangerously low. Stop the engine immediately and check the level of the oil in the engine crankcase. If the oil level is normal, have the lubricating system checked at your nearest Isuzu dealer. Do not run the engine if the light is continuously illuminated.*



### Battery/Generator indicator light

The battery/generator indicator light comes on when the ignition key switch is turned to the "ON" position and goes off when the engine is started and the generator circuit is brought into normal function.



### NOTE

*If the battery/generator indicator light comes on while driving, have the generator circuit checked at your nearest Isuzu dealer.*